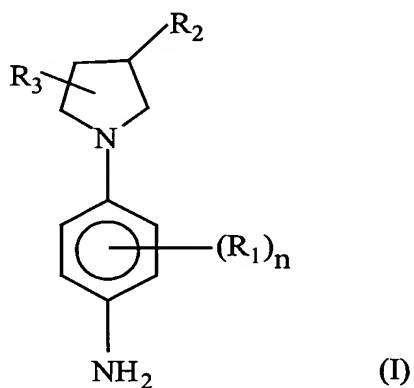


## WHAT IS CLAIMED IS:

1. A dye composition for dyeing keratin fibres, comprising, in a medium that is suitable for dyeing, at least one cationic tertiary para-phenylenediamine comprising a pyrrolidine nucleus and at least one polyol ester.
2. The composition of claim 1, wherein the cationic tertiary para-phenylenediamine corresponds to formula (I):



in which

n ranges from 0 to 4, it being understood that when n is greater than or equal to 2, then the radicals  $R_1$  may be identical or different,

$R_1$  represents a halogen atom; a  $C_1$ - $C_6$  aliphatic or alicyclic, saturated or unsaturated hydrocarbon-based chain, the chain possibly being interrupted with one or more oxygen, nitrogen, silicon or sulphur atoms or by an  $SO_2$  group, and possibly being substituted with one or more hydroxyl or amino radicals; an onium radical Z, the radical  $R_1$  not comprising a peroxide bond or diazo, nitro or nitroso radicals,

$R_2$  represents an onium radical Z or a radical  $-X-C=NR_8-NR_9R_{10}$  in which X represents an oxygen atom or a radical  $-NR_{11}$  and  $R_8$ ,  $R_9$ ,  $R_{10}$  and  $R_{11}$  represent a hydrogen atom, a  $C_1$ - $C_4$  alkyl radical or a  $C_1$ - $C_4$  hydroxyalkyl radical,

R<sub>3</sub> represents a hydrogen atom or a hydroxyl radical.

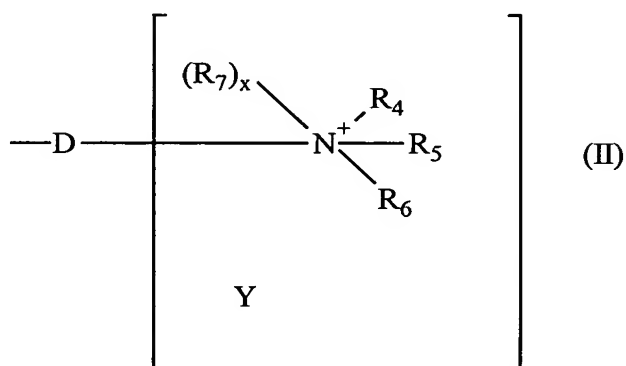
3. The composition of claim 2, wherein the cationic tertiary para-phenylenediamine is such that n is equal to 0.

4. The composition of claim 2, wherein the cationic tertiary para-phenylenediamine is such that n is equal to 1 and R<sub>1</sub> is chosen from the group formed by a halogen atom; a C<sub>1</sub>-C<sub>6</sub> aliphatic or alicyclic, saturated or unsaturated hydrocarbon-based chain; one or more carbon atoms possibly being replaced with an oxygen, nitrogen, silicon or sulphur atom or with an SO<sub>2</sub> group, the radical R<sub>1</sub> not comprising a peroxide bond or diazo, nitro or nitroso radicals.

5. The composition of claim 2, wherein the cationic tertiary para-phenylenediamine is such that R<sub>1</sub> is chosen from chlorine, bromine and C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> hydroxyalkyl, C<sub>1</sub>-C<sub>4</sub> aminoalkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy or C<sub>1</sub>-C<sub>4</sub> hydroxyalkoxy radicals.

6. The composition of claim 5, wherein the cationic tertiary para-phenylenediamine is such that R<sub>1</sub> is chosen from a methyl, hydroxymethyl, 2-hydroxyethyl, 1,2-dihydroxyethyl, methoxy, isopropoxy or 2-hydroxyethoxy radical.

7. The composition of claim 2, wherein the cationic tertiary para-phenylenediamine is such that R<sub>2</sub> represents the onium radical Z corresponding to formula (II)



in which

D is a single bond or a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain which may be interrupted with one or more hetero atoms chosen from oxygen, sulphur and nitrogen, and which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals, and which may bear one or more ketone functions;

R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub>, taken separately, represent a C<sub>1</sub>-C<sub>15</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub> amidoalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)-alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical in which the amine is mono- or disubstituted with a C<sub>1</sub>-C<sub>4</sub> alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; or

R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> together, in pairs, form, with the nitrogen atom to which they are attached, a saturated 4-, 5-, 6- or 7-membered carbon-based ring optionally containing one or more hetero atoms, the cationic ring possibly being substituted with a halogen atom, a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a carboxyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl radical, a thio (-SH) radical, a C<sub>1</sub>-C<sub>6</sub> thioalkyl (-R-SH) radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylthio radical, an amino radical, an amino radical mono- or disubstituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical;

R<sub>7</sub> represents a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical in which the amine is mono- or disubstituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carboxyalkyl

radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a C<sub>1</sub>-C<sub>6</sub> trifluoroalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a C<sub>1</sub>-C<sub>6</sub> sulphonamidoalkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphanyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylsulphonamido(C<sub>1</sub>-C<sub>6</sub>)alkyl radical;

x is 0 or 1,

when x = 0, then the linker arm is attached to the nitrogen atom bearing the radicals R<sub>4</sub> to R<sub>6</sub>,

when x = 1, then two of the radicals R<sub>4</sub> to R<sub>6</sub> form, together with the nitrogen atom to which they are attached, a 4-, 5-, 6- or 7-membered saturated ring and D is linked to a carbon atom of the saturated ring;

Y is a counterion.

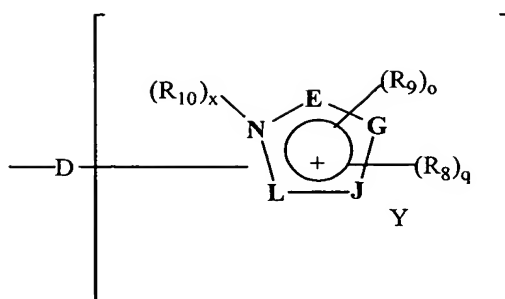
8. The composition of claim 7, wherein the cationic tertiary para-phenylenediamine is such that R<sub>2</sub> corresponds to formula II in which x is equal to 0 and R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub>, separately, are preferably chosen from a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>4</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>4</sub> polyhydroxyalkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>4</sub>)alkyl radical, a C<sub>1</sub>-C<sub>6</sub> amidoalkyl radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, or R<sub>4</sub> and R<sub>5</sub> together form an azetidine, pyrrolidine, piperidine, piperazine or morpholine ring, R<sub>6</sub> being chosen in this case from a C<sub>1</sub>-C<sub>6</sub> alkyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical; a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical; a C<sub>1</sub>-C<sub>6</sub> aminoalkyl radical, an aminoalkyl radical mono- or disubstituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical; a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarboxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; a (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical; an N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamyl(C<sub>1</sub>-C<sub>6</sub>)alkyl radical.

9. The composition of claim 7, wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  corresponds to formula II in which  $x$  is equal to 1 and  $R_7$  is chosen from a  $C_1$ - $C_6$  alkyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical; a  $C_2$ - $C_6$  polyhydroxyalkyl radical; a  $C_1$ - $C_6$  aminoalkyl radical; a  $C_1$ - $C_6$  aminoalkyl radical in which the amine is mono- or disubstituted with a  $(C_1$ - $C_6)$ alkyl,  $(C_1$ - $C_6)$ alkylcarbonyl, amido or  $(C_1$ - $C_6)$ alkylsulphonyl radical; a  $C_1$ - $C_6$  carbamylalkyl radical; a tri $(C_1$ - $C_6)$ -alkylsilane $(C_1$ - $C_6)$ alkyl radical; a  $(C_1$ - $C_6)$ alkylcarboxy $(C_1$ - $C_6)$ alkyl radical; a  $(C_1$ - $C_6)$ alkylcarbonyl $(C_1$ - $C_6)$ alkyl radical; an N- $(C_1$ - $C_6)$ alkylcarbamyl $(C_1$ - $C_6)$ alkyl radical;  $R_4$  and  $R_5$  together form an azetidine, pyrrolidine, piperidine, piperazine or morpholine ring,  $R_6$  being chosen in this case from a  $C_1$ - $C_6$  alkyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical; a  $C_2$ - $C_6$  polyhydroxyalkyl radical; a  $C_1$ - $C_6$  aminoalkyl radical, a  $C_1$ - $C_6$  aminoalkyl radical in which the amine is mono- or disubstituted with a  $(C_1$ - $C_6)$ alkyl,  $(C_1$ - $C_6)$ alkylcarbonyl, amido or  $(C_1$ - $C_6)$ alkylsulphonyl radical; a  $C_1$ - $C_6$  carbamylalkyl radical; a tri $(C_1$ - $C_6)$ alkylsilane $(C_1$ - $C_6)$ alkyl radical; a  $(C_1$ - $C_6)$ alkylcarboxy $(C_1$ - $C_6)$ alkyl radical; a  $(C_1$ - $C_6)$ alkylcarbonyl $(C_1$ - $C_6)$ alkyl radical; an N- $(C_1$ - $C_6)$ alkylcarbamyl $(C_1$ - $C_6)$ alkyl radical.

10. The composition of claim 2, wherein the cationic tertiary para-phenylenediamine is such that  $D$  is a single bond or an alkylene chain that may be substituted.

11. The composition of claim 7, wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  is a trialkylammonium radical.

12. The composition of claim 2, wherein the cationic tertiary para-phenylenediamine is such that  $R_2$  represents the onium radical  $Z$  corresponding to formula (III)



in which

D is a single bond or a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain that may be interrupted with one or more hetero atoms chosen from oxygen, sulphur and nitrogen, and that may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals, and that may bear one or more ketone functions;

the ring members E, G, J and L, which may be identical or different, represent a carbon, oxygen, sulphur or nitrogen atom to form a pyrrole, pyrazole, imidazole, triazole, oxazole, isoxazole, thiazole or isothiazole ring,

q is an integer between 0 and 4 inclusive;

o is an integer between 0 and 3 inclusive;

q+o is an integer between 0 and 4;

the radicals R<sub>8</sub>, which may be identical or different, represent a halogen atom, a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a C<sub>1</sub>-C<sub>6</sub> alkoxy radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, an amido radical, a carboxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl radical, a thio radical, a C<sub>1</sub>-C<sub>6</sub> thioalkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkylthio radical, an amino radical, an amino radical mono- or disubstituted with a (C<sub>1</sub>-C<sub>6</sub>)alkyl, (C<sub>1</sub>-C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical or a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl

radical; it being understood that the radicals  $R_8$  are borne by a carbon atom,

the radicals  $R_9$ , which may be identical or different, represent a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, a ( $C_1$ - $C_6$ )alkoxy( $C_1$ - $C_6$ )alkyl radical, a  $C_1$ - $C_6$  carbamylalkyl radical, a ( $C_1$ - $C_6$ )alkylcarboxy( $C_1$ - $C_6$ )alkyl radical or a benzyl radical; it being understood that the radicals  $R_9$  are borne by a nitrogen atom,

$R_{10}$  represents a  $C_1$ - $C_6$  alkyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical; a  $C_2$ - $C_6$  polyhydroxyalkyl radical; an aryl radical; a benzyl radical; a  $C_1$ - $C_6$  aminoalkyl radical, a  $C_1$ - $C_6$  aminoalkyl radical in which the amine is substituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  carboxyalkyl radical; a  $C_1$ - $C_6$  carbamylalkyl radical; a  $C_1$ - $C_6$  trifluoroalkyl radical; a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical; a  $C_1$ - $C_6$  sulphonamidoalkyl radical; a ( $C_1$ - $C_6$ )alkylcarboxy( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylsulphinyl( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylsulphonyl( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylcarbonyl( $C_1$ - $C_6$ )alkyl radical; an N-( $C_1$ - $C_6$ )alkylcarbamyl( $C_1$ - $C_6$ )alkyl radical; an N-( $C_1$ - $C_6$ )alkylsulphonamido( $C_1$ - $C_6$ )alkyl radical;

x is 0 or 1

when  $x = 0$ , the linker arm D is attached to the nitrogen atom,

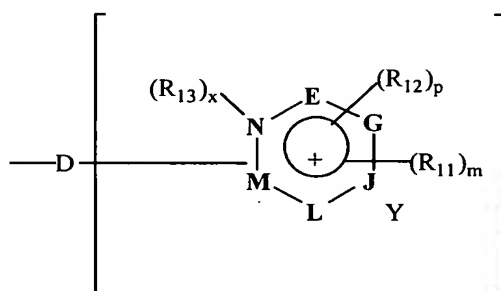
when  $x = 1$ , the linker arm D is attached to one of the ring members E, G, J or L,

Y is a counterion.

13. The composition of claim 12, wherein the cationic tertiary para-phenylenediamine is such that the ring members E, G, J and L form an imidazole ring.

14. The composition of claim 12, wherein the cationic tertiary para-phenylenediamine is such that x is equal to 0 and D is a single bond or an alkylene chain that may be substituted.

15. The composition of claim 2, wherein the cationic tertiary para-phenylenediamine is such that R<sub>2</sub> represents an onium radical Z corresponding to formula (IV)



(IV)

in which:

D is a single bond or a linear or branched C<sub>1</sub>-C<sub>14</sub> alkylene chain which may be interrupted with one or more hetero atoms chosen from an oxygen, sulphur or nitrogen atom, and which may be substituted with one or more hydroxyl, C<sub>1</sub>-C<sub>6</sub> alkoxy or amino radicals, and which may bear one or more ketone functions;

the ring members E, G, J, L and M, which may be identical or different, represent a carbon, oxygen, sulphur or nitrogen atom and form a ring chosen from pyridine, pyrimidine, pyrazine, triazine and pyridazine rings;

p is an integer between 0 and 3 inclusive;

m is an integer between 0 and 5 inclusive;

p+m is an integer between 0 and 5;

the radicals R<sub>11</sub>, which may be identical or different, represent a halogen atom, a hydroxyl radical, a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl





when  $x = 1$ , the linker arm D is attached to one of the ring members E, G, J, L or M,

Y is a counterion.

16. The composition of claim 15, wherein the ring members E, G, J, L and M form with the ring nitrogen a ring chosen from pyridine and pyrimidine rings.

17. The composition of claim 15, wherein the cationic tertiary para-phenylenediamine is such that  $x$  is equal to 0 and  $R_{11}$  is chosen from a hydroxyl radical, a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a  $C_1$ - $C_6$  alkoxy radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, an amido radical, a  $C_1$ - $C_6$  alkylcarbonyl radical, an amino radical, an amino radical mono- or disubstituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical or a  $C_2$ - $C_6$  polyhydroxyalkyl radical, and  $R_{12}$  is chosen from a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, a ( $C_1$ - $C_6$ )alkoxy( $C_1$ - $C_6$ )alkyl radical or a  $C_1$ - $C_6$  carbamylalkyl radical.

18. The composition of claim 15, wherein the cationic tertiary para-phenylenediamine is such that  $x$  is equal to 1 and  $R_{13}$  is chosen from a  $C_1$ - $C_6$  alkyl radical; a  $C_1$ - $C_6$  monohydroxyalkyl radical; a  $C_2$ - $C_6$  polyhydroxyalkyl radical; a  $C_1$ - $C_6$  aminoalkyl radical, a  $C_1$ - $C_6$  aminoalkyl radical in which the amine is mono- or disubstituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ - $C_6$ )alkylcarbonyl, amido or ( $C_1$ - $C_6$ )alkylsulphonyl radical; a  $C_1$ - $C_6$  carbamylalkyl radical; a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical; a ( $C_1$ - $C_6$ )alkylcarbonyl( $C_1$ - $C_6$ )alkyl radical; an N-( $C_1$ - $C_6$ )alkylcarbamyl( $C_1$ - $C_6$ )alkyl radical;  $R_{11}$  is chosen from a hydroxyl radical, a  $C_1$ - $C_6$  alkyl radical, a  $C_1$ - $C_6$  monohydroxyalkyl radical, a  $C_2$ - $C_6$  polyhydroxyalkyl radical, a  $C_1$ - $C_6$  alkoxy radical, a tri( $C_1$ - $C_6$ )alkylsilane( $C_1$ - $C_6$ )alkyl radical, an amido radical, a  $C_1$ - $C_6$  alkylcarbonyl radical, an amino radical, an amino radical mono- or disubstituted with a ( $C_1$ - $C_6$ )alkyl, ( $C_1$ -

C<sub>6</sub>)alkylcarbonyl, amido or (C<sub>1</sub>-C<sub>6</sub>)alkylsulphonyl radical; and R<sub>12</sub> is chosen from a C<sub>1</sub>-C<sub>6</sub> alkyl radical, a C<sub>1</sub>-C<sub>6</sub> monohydroxyalkyl radical, a C<sub>2</sub>-C<sub>6</sub> polyhydroxyalkyl radical, a tri(C<sub>1</sub>-C<sub>6</sub>)alkylsilane(C<sub>1</sub>-C<sub>6</sub>)alkyl radical, a (C<sub>1</sub>-C<sub>6</sub>)alkoxy(C<sub>1</sub>-C<sub>6</sub>)alkyl radical and a C<sub>1</sub>-C<sub>6</sub> carbamylalkyl radical.

19. The composition of claim 15, wherein the cationic tertiary para-phenylenediamine is such that R<sub>11</sub>, R<sub>12</sub> and R<sub>13</sub> are alkyl radicals that may be substituted.

20. The composition of claim 2, wherein the cationic tertiary para-phenylenediamine is such that the radical R<sub>2</sub> is a radical of formula -XP(O)(O-)OCH<sub>2</sub>CH<sub>2</sub>N<sup>+</sup>(CH<sub>3</sub>)<sub>3</sub> in which X represents an oxygen atom or a radical -NR<sub>14</sub>, R<sub>14</sub> representing a hydrogen, a C<sub>1</sub>-C<sub>4</sub> alkyl radical or a hydroxyalkyl radical.

21. The composition of claim 2, wherein the cationic tertiary para-phenylenediamine is such that the radical R<sub>2</sub> is a guanidine radical of formula -X-C=NR<sub>8</sub>-NR<sub>9</sub>R<sub>10</sub>, X represents an oxygen atom or a radical -NR<sub>11</sub>, R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub> and R<sub>11</sub> representing a hydrogen, a C<sub>1</sub>-C<sub>4</sub> alkyl radical or a hydroxyalkyl radical.

22. The composition of claim 1, wherein the cationic tertiary para-phenylenediamine is chosen from the group formed by:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium  
bromide;

N'-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethylguanidinium  
chloride;

N-[1-(4-Aminophenyl)pyrrolidin-3-yl] guanidinium chloride;

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium  
chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethylammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl(3-trimethylsilanylpropyl)ammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl](trimethylammonium-hexyl)dimethylammonium dichloride

[1-(4-Aminophenyl)pyrrolidin-3-yl]oxophosphorylcholine

{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}-trimethylammonium chloride

1-{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpyrrolidinium chloride

3-{3-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-ium chloride

1-{2-[1-(4-Aminophenyl)pyrrolidin-3-yloxy]ethyl}-1-methylpiperidinium chloride

3-{3-[1-(5-Trimethylsilyl-4-amino-3-trimethylsilylphenyl)pyrrolidin-3-yloxy]propyl}-1-methyl-3H-imidazol-1-ium chloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride;

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride;

N'-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-N,N-dimethylguanidinium chloride;

N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl] guanidinium chloride;

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride;

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl](2-hydroxyethyl)-  
dimethylammonium chloride;

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyl(3-  
trimethylsilanylpropyl ammonium chloride;

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl](trimethyl-  
ammoniumhexyl)dimethylammonium dichloride

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]oxophosphorylcholine

{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}-  
trimethylammonium chloride

1-{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}-1-  
methyl-pyrrolidinium chloride

3-{3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]propyl}-1-  
methyl-3H-imidazol-1-ium chloride

1-{2-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yloxy]ethyl}-1-  
methylpiperidinium chloride

[1-(4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]-  
trimethylammonium chloride

3-[1-(4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-yl]-1-  
methyl-3H-imidazol-1-ium chloride

3-{3-[1-(4-Amino-3-trimethylsilanylethylphenyl)pyrrolidin-3-  
yloxy]propyl}-1-methyl-3H-imidazol-1-ium chloride

[1-(5-Trimethylsilanylethyl-4-amino-3-trimethylsilanylethyl-  
phenyl)pyrrolidin-3-yl]trimethylammonium chloride

3-[1-(5-trimethylsilanylethyl-4-Amino-3-trimethylsilanyl-  
ethylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium  
chloride

1'-(4-Aminophenyl)-1-methyl[1,3']bipyrrolidinyl-1-ium chloride;

1'-(4-Amino-3-methylphenyl)-1-methyl[1,3']bipyrrolidinyl-1-ium  
chloride;

3- {[1-(4-Aminophenyl)pyrrolidin-3-yl]carbamoyl}methyl}-1-methyl-3H-imidazol-1-ium chloride;

3- {[1-(4-Aminophenyl)pyrrolidin-3-yl]carbamoyl}methyl}-1-methyl-3H-imidazol-1-ium chloride;

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride;

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate;

[1-(4-Aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]hydroxyethyltrimethylammonium iodide.

23. The composition of claim 1, wherein the cationic tertiary para-phenylenediamine is chosen from the group formed by:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium bromide;

N'-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethyl guanidinium chloride;

N-[1-(4-Aminophenyl)pyrrolidin-3-yl] guanidinium chloride;

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethylammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl(3-trimethylsilylpropyl)ammonium chloride;

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]trimethylammonium chloride;

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyltetradecylammonium chloride;

N'-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-N,N-dimethyl guanidinium chloride;

N-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl] guanidinium chloride;

3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride;

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethylammonium chloride;

[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]dimethyl(3-trimethylsilanylpropylammonium chloride;  
 1'-(4-Aminophenyl)-1-methyl[1,3']bipyrrolidinyl-1-ium chloride;  
 1'-(4-Amino-3-methylphenyl)-1-methyl[1,3']bipyrrolidinyl-1-ium chloride;  
 3- {[1-(4-Aminophenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride;  
 3- {[1-(4-Amino-3-methylphenyl)pyrrolidin-3-ylcarbamoyl]methyl}-1-methyl-3H-imidazol-1-ium chloride;  
 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride;  
 3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-3H-imidazol-1-ium chloride;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide;



[1-(4-Aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium  
 iodide;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium  
 chloride;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium  
 iodide.

24. The composition of claim 1, wherein the cationic tertiary para-phenylenediamine is chosen from the group formed by:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyltetradecylammonium  
 bromide;  
 N'-[1-(4-Aminophenyl)pyrrolidin-3-yl]-N,N-dimethyl guanidinium  
 chloride;  
 N-[1-(4-Aminophenyl)pyrrolidin-3-yl] guanidinium chloride;  
 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium  
 chloride;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethyl-  
 ammonium chloride;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl]dimethyl(3-trimethylsilanylpropyl)ammonium chloride;  
 [1-(4-Aminophenyl)pyrrolidin-3-yl](trimethylammonium-  
 hexyl)dimethylammonium dichloride;  
 1'-(4-Aminophenyl)-1-methyl[1,3']bipyrrolidinyl-1-ium chloride  
 3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-(3-trimethylsilanylpropyl)-  
 3H-imidazol-1-ium chloride;  
 3-[1-(4-Amino-3-methylphenyl)pyrrolidin-3-yl]-1-(3-  
 trimethylsilanylpropyl)-3H-imidazol-1-ium chloride;

[1-(4-aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]ethyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium bromide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]propyldimethylammonium methosulphate;

[1-(4-Aminophenyl)pyrrolidin-3-yl]butyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]pentyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]hexyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]heptyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]octyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]decyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]hexadecyldimethylammonium iodide;

[1-(4-Aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl]hydroxyethyldimethylammonium iodide.

25. The composition of claim 1, wherein the cationic tertiary para-phenylenediamine is chosen from the group formed by:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride;

3-[1-(4-Aminophenyl)pyrrolidin-3-yl]-1-methyl-3H-imidazol-1-ium chloride;

[1-(4-Aminophenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethylammonium chloride;

1'-(4-Aminophenyl)-1-methyl[1,3']bipyrrolidinyl-1-ium chloride.

26. The composition of claim 1, wherein the cationic tertiary para-phenylenediamine is chosen from the group formed by:

[1-(4-Aminophenyl)pyrrolidin-3-yl]trimethylammonium chloride and  
[1-(4-Aminophenyl)pyrrolidin-3-yl](2-hydroxyethyl)dimethylammonium chloride.

27. The composition of claim 1, wherein the polyol ester is an ester of a saturated or unsaturated, linear or branched C<sub>2</sub>-C<sub>30</sub> acid, whose hydrocarbon-based chain is optionally substituted with one or more hydroxyl groups, and of an optionally ethoxylated, linear, branched or cyclic C<sub>2</sub>-C<sub>50</sub> polyol.

28. The composition of claim 27, wherein the polyol ester is an ester of an acid chosen from lauric acid, stearic acid, isostearic acid, oleic acid, ricinoleic acid.

29. The composition of claim 27, wherein the polyol ester is such that the polyol is chosen from ethylene glycol, propylene glycol, glycerol, glucose, sorbitol and sorbitol anhydride.

30. The composition of claim 27, wherein the polyol ester is chosen from ethylene glycol monostearate or distearate, glyceryl oleate or stearate, polyethylene glycol laurate, polyethylene glycol oleate and polyethylene glycol stearate.

31. The composition of claim 27, wherein the polyol ester is an ethoxylated polyol ester chosen from polyoxyethylenated ethers of glyceryl laurates, oleates and stearates and polyoxyethylenated ethers of sorbitol laurates and/or of sorbitol anhydride.

32. The composition of claim 31, wherein the number of ethylene oxides in the polyol esters is between 1 and 200.

33. The composition of claim 1, wherein the polyol ester(s) is (are) present in concentrations ranging from 0.01% to 20% and preferably from 0.05% to 10%.

34. The composition of claim 33, wherein the polyol ester(s) is (are) present in a concentration ranging from 0.1% to 5% by weight relative to the total weight of the composition.

35. The composition of claim 1, wherein the cationic tertiary para-phenylenediamine(s) containing a pyrrolidine nucleus represent(s) from 0.01% to 10% and preferably from 0.05% to 6% by weight relative to the total weight of the composition.

36. The composition of claim 1, wherein the composition further comprises at least one cationic polymer.

37. The composition of claim 1, wherein the composition further comprises at least one thickening polymer.

38. The composition of claim 1, wherein the composition further comprises at least one additional surfactant chosen from the group formed by anionic surfactants, amphoteric or zwitterionic surfactants, nonionic surfactants other than polyol esters and cationic surfactants.

39. The composition of claim 1, wherein the composition further comprises at least one additional oxidation base other than cationic tertiary para-phenylenediamines containing a pyrrolidine nucleus, chosen from para-phenylenediamines, bis(phenyl)alkylenediamines, para-aminophenols, ortho-aminophenols and heterocyclic bases, and the addition salts thereof.

40. The composition of claim 39, wherein the additional oxidation base(s) is (are) present in an amount of between 0.001% and 20% by weight and preferably between 0.005% and 6% by weight relative to the total weight of the composition.

41. The composition of claim 1, wherein the composition further comprises at least one coupler chosen from meta-phenylenediamines, meta-aminophenols, meta-diphenols, naphthalene-based couplers and heterocyclic couplers, and the addition salts thereof.

42. The composition of claim 41, wherein the coupler is chosen from 1,3-dihydroxybenzene, 1,3-dihydroxy-2-methylbenzene, 4-chloro-1,3-dihydroxybenzene, 2,4-diamino-1-( $\beta$ -hydroxyethyloxy)benzene, 2-amino-4-( $\beta$ -hydroxyethylamino)-1-methoxybenzene, 1,3-diaminobenzene, 1,3-bis(2,4-diaminophenoxy)propane, 3-ureidoaniline, 3-ureido-1-dimethylaminobenzene, sesamol, 1- $\beta$ -hydroxyethylamino-3,4-methylenedioxybenzene,  $\alpha$ -naphthol, 2-methyl-1-naphthol, 6-hydroxyindole, 4-hydroxyindole, 4-hydroxy-N-methylindole, 2-amino-3-hydroxypyridine, 6-hydroxybenzomorpholine, 3,5-diamino-2,6-dimethoxypyridine, 1-N-( $\beta$ -hydroxyethyl)amino-3,4-methylenedioxybenzene and 2,6-bis( $\beta$ -hydroxyethylamino)toluene, and the addition salts thereof.

43. The composition of claim 41, wherein the coupler(s) is (are) present in an amount of between 0.001% and 20% and preferably between 0.005% and 6% by weight relative to the total weight of the composition.

44. The composition of claim 1, wherein the composition further comprises at least one direct dye.

45. The composition of claim 1, wherein the composition further comprises at least one hydroxylated solvent such as ethanol, propylene glycol, glycerol and polyol monoethers.

46. The composition of claim 1, wherein the composition further comprises an oxidizing agent chosen from hydrogen peroxide, urea peroxide, alkali metal bromates, persalts, peracids and oxydase enzymes, and preferably hydrogen peroxide.

47. A process for the oxidation dyeing of keratin fibres, wherein a dye composition as defined in claim 1 is applied to the fibres in the presence of an oxidizing agent.

48. A multi-compartment device, wherein a first compartment contains a dye composition for dyeing keratin fibres, as defined in claim 1, and a second compartment contains an oxidizing agent.